



sym-demo.rkt (define ...) ▾

Check Syntax

Debug

Macro Stepper

Run

Stop

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```
[info] [kodkod-1.5.2] compilation time (ms): cpu=12, real=13, gc=0
[info] [kodkod-1.5.2] solver invocation time (ms): 3
[info] [kodkod-1.5.2] SATISFIABLE
[info] [kodkod-1.5.2] parsing time (ms) : 116
[info] [kodkod-1.5.2] translation time (ms) : 111
[info] [kodkod-1.5.2] solving time (ms) : 0
[info] [kodkod-1.5.2] p cnf 140 287
[info] [kodkod-1.5.2] primary variables : 26
[info] [kodkod-1.5.2] solution construction time (ms): 132
```

SOLUTION:

```
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:32:17 x> := -128
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:33:17 y> := -128
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:34:17 z> := 123
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:41:17 a> := #t
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:42:17 b> := b
```

```
[info] [kodkod-1.5.2] compilation time (ms): cpu=5, real=6, gc=0
[info] [kodkod-1.5.2] solver invocation time (ms): 0
[info] [kodkod-1.5.2] UNSATISFIABLE
[info] [kodkod-1.5.2] parsing time (ms) : 4
[info] [kodkod-1.5.2] translation time (ms) : 18
[info] [kodkod-1.5.2] solving time (ms) : 0
[info] [kodkod-1.5.2] p cnf 146 245
[info] [kodkod-1.5.2] primary variables : 28
[info] [kodkod-1.5.2] solution construction time (ms): 67
```

MINIMAL UNSATISFIABLE CORE:

```
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:87:27 (sym/= x (ite (&& a b) y z))>
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:88:27 (sym/< x z)>
▶ #<syntax:/Users/emina/Workspaces/rosette/demo/cs294/sym-demo.rkt:90:27 (|| (! a) (! b))>
>
```